

Converting Colors

$Y_{xy}(45.0433, 0.3330, 0.3745)$

Have a look what the booklet for
Yxy(45.0433, 0.3330, 0.3745)
contains.

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Color

Yxy(45.1509, 0.3330, 0.3755)

Conversions

Conversions Part 1

Format	Color
Hex	AFB795
RGB	175, 183, 149
RGB Percent	69%, 72%, 58%
CMY	0.3137, 0.2824, 0.4156
CMYK	0.04, 0.00, 0.19, 0.28
HSL	74°, 19%, 65%
HSV	74°, 19%, 72%
XYZ	40.0406, 45.1509, 35.0506
YIQ	176.7320, 6.1460, -12.2700

Conversions

Conversions Part 2

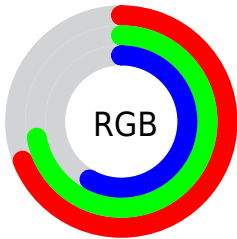
Format	Color
RYB	149, 183, 157
Decimal	11515797
CIELab	72.99, -8.76, 16.36
CIElCh	73, 18.561, 118.166
Yxy	45.1509, 0.3330, 0.3755
Android (android.graphics.Color)	4289705877 (0xFFAFB795)
YUV	176.7320, -13.6719, -1.5190
Hunter-Lab	67.1944, -11.2235, 16.1087

Details

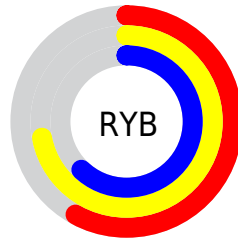
The Yxy color **45.1509, 0.3330, 0.3755** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.0939, 0.2899, 0.2802**, and the grayscale version is **43.8917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0337, 0.3298, 0.3670**, and **20.9847, 0.3383, 0.3897** is the 20% darker color. If you saturate the color by 10%, you get **44.1230, 0.3438, 0.4020**, and if you desaturate by 10%, it is **46.2905, 0.3220, 0.3499**.

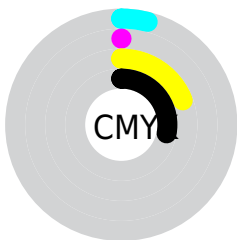
Distribution



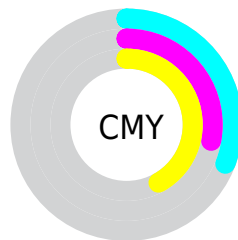
- Red (69%)
- Green (72%)
- Blue (58%)



- Red (58%)
- Yellow (72%)
- Blue (62%)



- Cyan (4%)
- Magenta (0%)
- Yellow (19%)
- Black (28%)





- Cyan (31%)
- Magenta (28%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1509, 0.3330, 0.3755 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.1509, 0.3330, 0.3755 by changing the saturation by 10% instead.


 45.1509, 0.3330,
0.3755


 45.1509, 0.3330,
0.3755


367.3844, 0.3230,
0.3517

 31.5763, 0.3354,
0.3816


 82.9468, 0.3294,
0.3667

 21.0381, 0.3384,
0.3895


 107.9369, 0.3281,
0.3635

 13.1518, 0.3424,
0.4002


137.5010, 0.3269,
0.3608

 7.5332, 0.3476,
0.4153


172.0234, 0.3259,
0.3584

 3.7977, 0.3549,
0.4384

211.8885, 0.3251,
0.3564

 1.5611, 0.3756,
0.4915

257.4808, 0.3243,

 0.3311, 0.2335,

0.3546

0.7665

309.1846, 0.3236,
0.3531

0.0000, 0.0000,
0.0000

45.1509, 0.3330,
0.3755

45.1509, 0.3330,
0.3755

44.1230, 0.3438,
0.4020

46.2905, 0.3220,
0.3499

43.1965, 0.3541,
0.4285

47.5399, 0.3112,
0.3256

42.3685, 0.3633,
0.4543

48.9052, 0.3007,
0.3030

41.6339, 0.3709,
0.4782

50.3899, 0.2909,
0.2821

40.9870, 0.3764,
0.4991

51.9977, 0.2816,
0.2631

■ 40.4211, 0.3796,
0.5161

■ 53.4826, 0.2754,
0.2495

■ 39.9288, 0.3802,
0.5285

■ 54.0871, 0.2785,
0.2502

■ 39.4974, 0.3786,
0.5367

■ 54.7085, 0.2816,
0.2509

■ 39.4377, 0.3783,
0.5378

■ 55.3468, 0.2848,
0.2516

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.1509, 0.3544, 0.3711



45.1509, 0.3330, 0.3755



45.1509, 0.3068, 0.3661

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.1509, 0.3330, 0.3755



45.1509, 0.2634, 0.2994



45.1509, 0.3426, 0.3128

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.1509, 0.3330, 0.3755



32.0939, 0.2899, 0.2802

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.1509, 0.3170, 0.2956



45.1509, 0.3330, 0.3755



45.1509, 0.2719, 0.2874

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.1509, 0.3330, 0.3755



45.1509, 0.2673, 0.3205



45.1509, 0.2912, 0.2863



45.1509, 0.3603, 0.3344

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.1509, 0.3330, 0.3755



45.1509, 0.2902, 0.3532



45.1509, 0.2912, 0.2863



45.1509, 0.3346, 0.3064

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.1529, 0.3330, 0.3755



83.4377, 0.3193, 0.3438



36.3376, 0.3463, 0.3401



18.3976, 0.3200, 0.3454



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.1529, 0.3330, 0.3755



80.1445, 0.3372, 0.3855



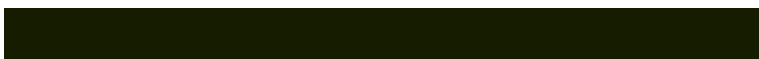
43.3161, 0.3181, 0.3777



10.3940, 0.3229, 0.3518



27.5448, 0.3788, 0.5374



0.9973, 0.3898, 0.5287

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.0939, 0.2899, 0.2802



52.7159, 0.2845, 0.2691



33.9155, 0.3060, 0.2825



8.8187, 0.3020, 0.3056



2.7710, 0.1640, 0.0677



0.1267, 0.1913, 0.0828

Previews

White Background



This preview shows how the Yxy color 45.1509, 0.3330, 0.3755 looks on a white background.

Color Contrast Check

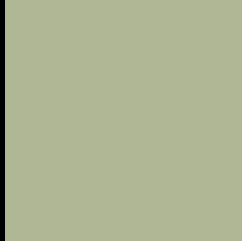
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.1509, 0.3330, 0.3755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

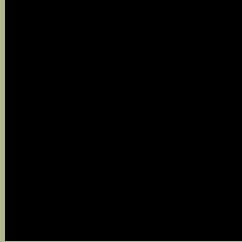
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

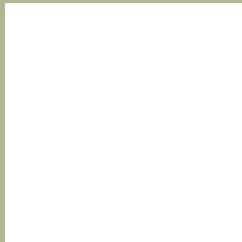
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1509, 0.3330, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 45.1509, 0.3330, 0.3755.



This preview shows how white text looks on a background with the Yxy color 45.1509, 0.3330, 0.3755.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.1509, 0.3330, 0.3755

Protanopia

45.1656, 0.3484, 0.3713

Deuteranopia

44.8612, 0.3629, 0.3555



Tritanopia

45.0296, 0.3050, 0.3108

Trichromacy



Original Color

45.1509, 0.3330, 0.3755

Protanomaly

44.9710, 0.3427, 0.3719

Deuteranomaly

44.8548, 0.3522, 0.3629

Tritanomaly

44.9585, 0.3151, 0.3330

Monochromacy



Original Color

45.1509, 0.3330, 0.3755

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.2603, 0.3198, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1509, 0.3330, 0.3755 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(175, 183, 149)` looks like.

```
.text, #text, p{  
    color:rgb(175, 183, 149)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(175, 183, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 183, 149) }
```

Border

The CSS property to change the border of an element to Yxy 45.1509, 0.3330, 0.3755 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 183, 149) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(175, 183, 149) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(175, 183, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 183, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 183, 149);  
box-shadow:4px 4px 4px 4px rgb(175, 183,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1509, 0.3330, 0.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 183, 149) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(175,  
183, 149) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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